

Grade 9 - Unit 7 Similarity and Transformations

G02 Students will be expected to demonstrate an understanding of similarity of polygons.

** This outcome should be done in conjunction with G03*

Performance Indicators

G02.01 Determine if the polygons in a given pre sorted set are similar, and explain the reasoning.

G02.02 Model and draw a polygon similar to a given polygon, and explain why the two are similar.

G02.03 Solve a given problem using the properties of similar polygons.

Limited	Developing	Competent	In-Depth
Student can sort shapes that look alike but are different in size. Student can use technology (e.g. dynamic geometry software, photocopier, screen zoom) to reduce or enlarge a shape.	Student can identify whether or not two polygons are similar by comparing corresponding angles and sides limited to polygons with a simple scale factor. Student can model and/or draw a polygon similar to a given polygon.	Student can determine if the polygons in a given set are similar, and explain the reasoning. Student can model and draw a polygon similar to a given polygon and explain why the two are similar. Student can solve a given problem using the properties of similar polygons.	Student can explain the difference between similar and congruent polygons and give a variety of examples of each. Student can create and solve a problem using the properties of similar polygons.